

ClustalW Formatted Alignments

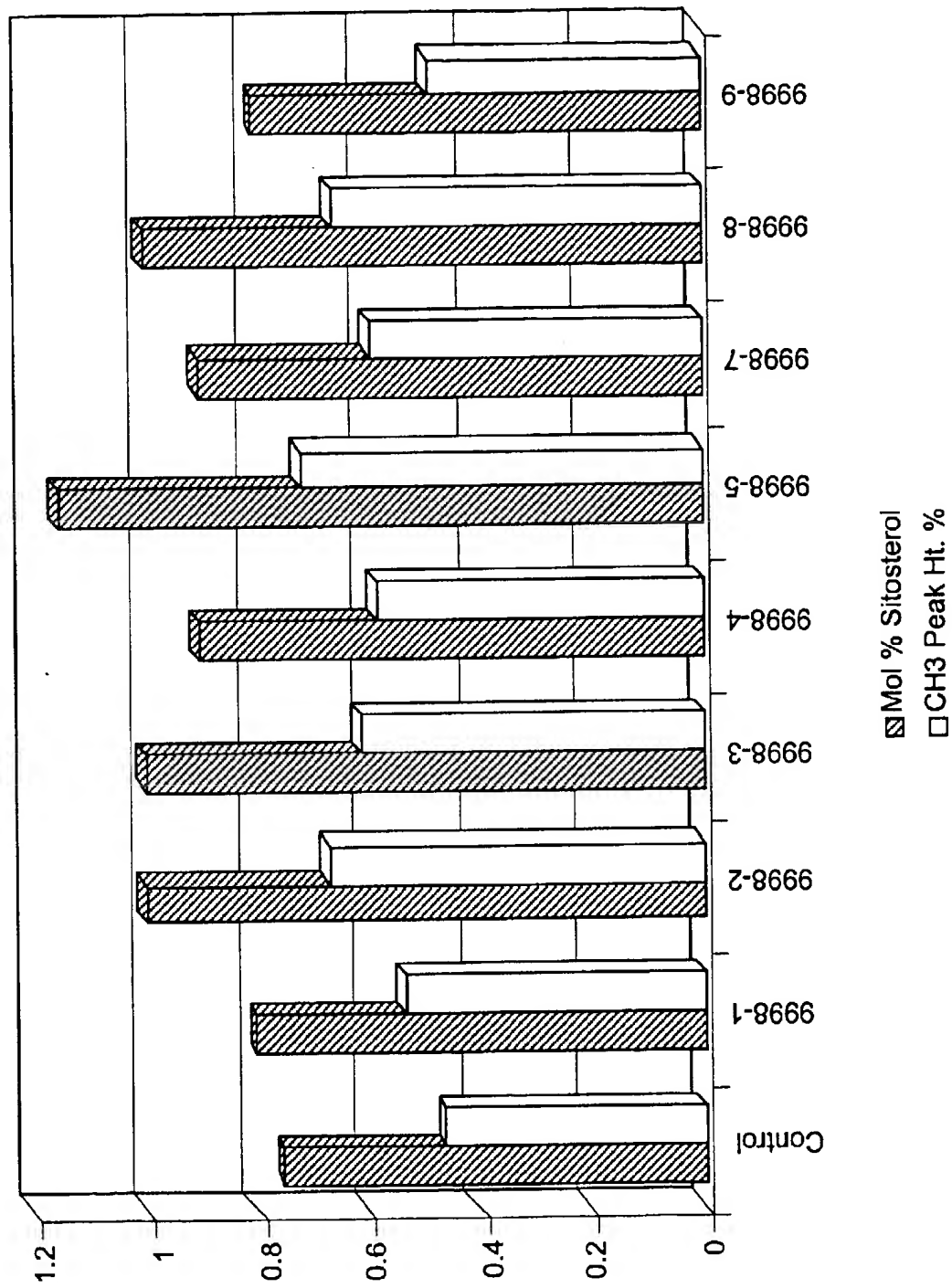
	110	120	130	140	150
Yeast (YNR008W)	VHNSDSDLF	DNFVNFDSLKVYLDDWKD	VLPQG	ISSFIDDIQA	GNYSTSSL
Human LCAT	FPPTHTPKAE	LSN	HTR	CL	
Rat LCAT	FPPTHTPKAE	LSN	HTR	CM	
AlLCAT1	MCQAVGSNVY		PLILLVPPGNG		
AlLCAT2	TAVEDETFHGDY		SKLSGIIIPGFA		
AlLCAT3	QEPYVDPNLN		PVLLIVPGIA		
AlLCAT4	ENAGEVADR		PVLLIVSGIG		
			PVILLVPG		

Yeast (YNR008W)
Human LCAT
Rat LCAT
AtLCAT1
AtLCAT2
AtLCAT3
AtLCAT4

Yeast (YNR008W)
Human LCAT
Rat LCAT
ALCAT1
ALCAT2
ALCAT3
ALCAT4

	410	420	430	440	450
Yeast (YNR008W)	T I Q L N T L A M Y	G L E K F F S R I E R V K	M L Q T T W G G I P S M L P K G	- - E E V I W G D M	
Human LCAT	- - - - -	Q G I P I M S S I K L K E	- - E Q R I T T T S P	- - - - - W M F -	
Rat LCAT	- - - - -	Q G I P I M S N I K L R E	- - E Q R I T T T S P	- - - - - W M F -	
AtLCAT1	- - - - -	L G V P L V N P L L V R R	- - H Q R T S E S N Q	- - - - - W L L -	
AtLCAT2	- - - - -	E G T A R L L S N S F A S S L W	- - L M P F S K N C K G	- - - - - W T H F	
AtLCAT3	- - - - -	N G W E Q N F F V S K W S	- - M H Q L L I E C P S I Y E L M C C P Y F K W E L P	- - - - - W K K Q	
AtLCAT4	- - - - -	E G L E S F F F V S R W T	- - M H Q L L L V E C P S I Y E M M A N P D F K W	- - - - - W	

FIG. 2



Sterol Distribution

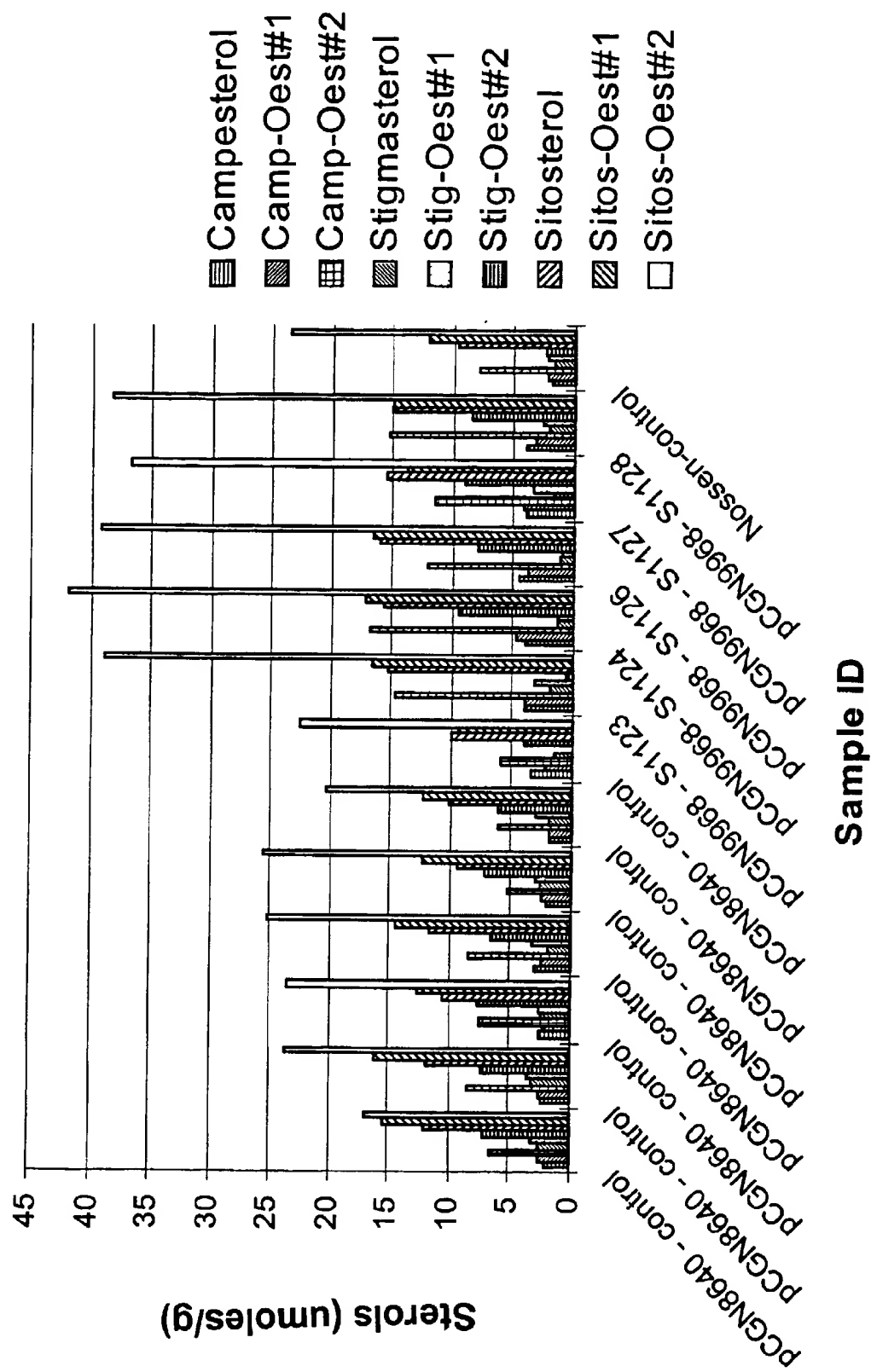
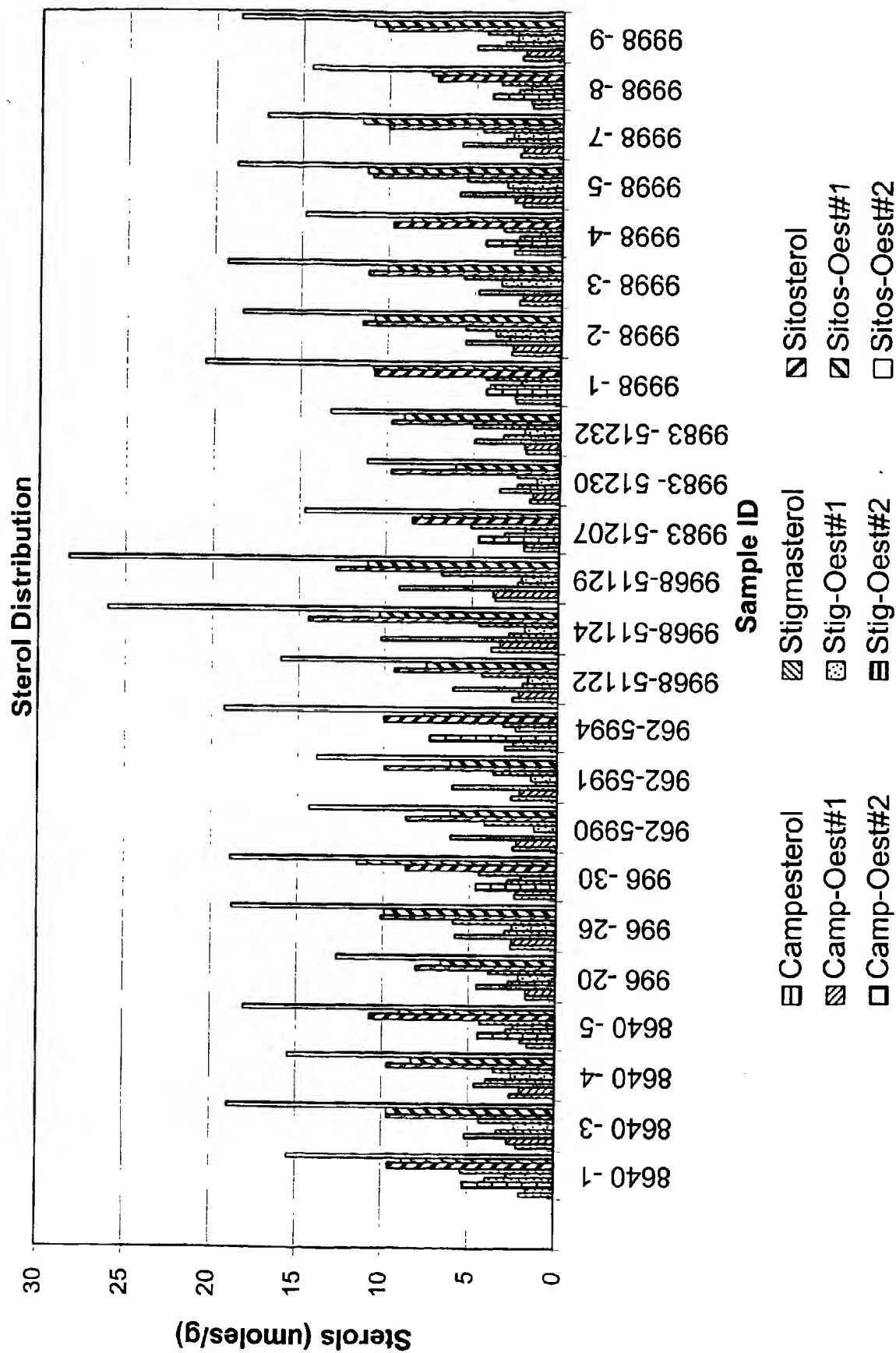


FIG. 4



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FIG. 5

NIR Analysis of LCAT

